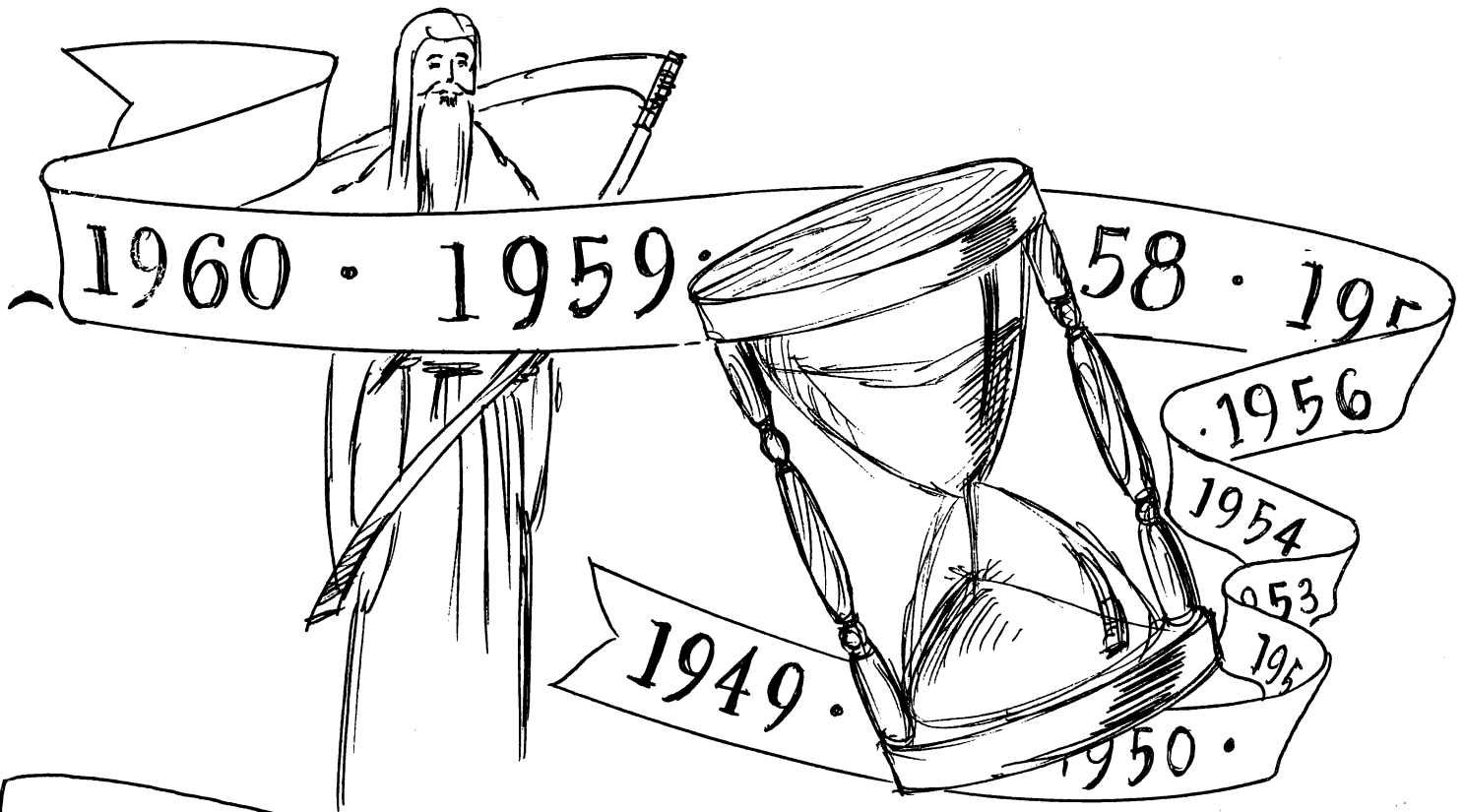




THE BLURB

PHILMONT MOBILE RADIO CLUB INC.

January
1960



*Years have come and years have gone..
Of all your best years, may this be the one...
That rates loud hoorahs! and a lusty cheer!
Here's wishing you a happy New Year!*

THE
BLURB

Published Monthly by the
Phil-Mont Mobile Radio Club, Inc.

VOLUME 10

January 1960

No. 1

EDITOR

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Publisher W3WNC
Cartoonist W3YHV
Technical Editor W3DOU
Typist K3JQC
New Members Chairman W3CDY

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Superintendent...W3GOW Kibitzer...W3TW
Boss Sticher...W3JIL Printer...W3WNC
Aides...W3s NIP, GGP, DOU, K3DJE

The "Blurb" is published by and for the members of Phil-Mont to further the interest of Amateur Radio in general, and Mobile Radio in particular. We endeavor to keep news accurate, interesting and in a small way, educational. Any deviation from this is unintentional. Copying and quoting is permitted, provided credit lines are included. Commercial use is not permitted and subscriptions are gladly exchanged with other radio clubs.

DEADLINES

The "Blurb" is mailed on the last Monday of the month. All material for the "Blurb" must be received by the Editor, QZO, before the fifteenth of the month.

1960 CLUB OFFICERS

PRES. Hymen N. Hecht W3WNC
V. PRES. Lloyd Sherman W3CDY
Sec'y Charles E. Greenwood W3GOW
Treas. Tom Donnelly W3VCE
Brd. of Dir: W3s NIP, PKY, QQH, YJM, DOU
and all 1960 Club officers

MEETINGS

Regular meetings are normally held on the 1st Monday of the month. Check the Calendar at right for the exact date. Meetings are held at the Germantown Town Hall, at Germantown Avenue and Haines Street, starting at 2000 hours (8:00 PM)

NET & NET FREQUENCIES

CH 1 - 29493 kcs CH 3 - Unassigned
CH 2 - 29626 kcs CH 4 - 50.7 mcs.
Scrambled egg net, Weekdays, 0730-0830
Ten on Ten, Sundays 1000-1100
Blarney Sessions, Anytime, CH 1 or 2
29493 is monitored daily 0830-2400
for the benefit of mobiles in Phila area.

FMRC CALENDAR OF EVENTS

Jan 4 Regular Meeting 8 P.M.
Pgm: K3HIJ reporting on CB-1 conv.

Jan 20 Midmonth Meeting W3DOU QTH

Feb 1 Regular Meeting

April 16 WMRC Luncheon

* * * * *

SEND ALL COMMUNICATIONS FOR THE BLURB
TO THE NEW EDITOR, W3ZPP

FROM THE PRESIDENT

Philmont has now left a successful year behind and is facing a new year ahead. Some of the past Philmont successes were due to the drive of individual members or a group of members, others were due to a series of activities in which the entire Philmont body participated.

The paths which Philmont followed were sometimes directed by Philmonters and other times Fate did the directing, as in the case of hurricanes and floods in the years past. Always Philmont rose to the challenge and gave a good account of itself.

At the outset, I would like to start Philmont on another successful year by pointing in a few directions. Direction number 1- There are still too few mobiles in operation and all possibilities must be explored to get more mobiles in operation.

Direction number 2- There are a number of monitoring stations on the Philmont frequency, but these monitors have been there for years and could grow tired of the Channel 1 chatter. We need more monitors to keep Channel 1 HOT with good solid operating so indicative of Philmont.

Direction number 3- Out of force of habit, when a new project or activity comes up, the older members are called on to direct this project or activity. What we should have, is more participation by the less active members, and especially by the new members. So to the new members...don't be shy...volunteer... you will be surprised at how easily you can accomplish what you set out to do, and how much help you will get. That's the way that Philmont works.

Three directions all at one time seem to be a hard way to travel, but actually they converge and eventually meet. They meet at a point which spells PHIL-MONT.

Phil-Mont is you.....so come forth.....lets make this year the best Phil-Mont ever had.

de W3WNC

1967 Officers Elected

New officers elected at the December meeting are as follows:

President	W3WNC--V. Pres. W3CDY
Secretary	W3GOW
Treasurer	W3VCE
Director	W3DOU

As in the past, the club has at its head a group of fellows who can provide the leadership and stimulus that will continue to make our organization second to none. All they need to do this is a little cooperation and encouragement from each member as various club activities arise. The time-worn phrase about only getting as much out of an organization as you put into it was never truer than in this case. The new officers, and everyone else, will get a big charge out of Phil-Mont if you contribute just a little.

The shack at W3WNC now boasts a new operating desk and equipment layout, all located on a raised platform. Hy is all ready for increased traffic for the Presidential Mansion...W3YJM and XYL celebrated their 15th Anniversary at the PMRC

banquet...Under a new arrangement, the Secretary will issue Phil-Mont Certificates. W3NIP will still grace them with artistic lettering, however...Speaking of NIP brings to mind the trouble Chuck has been having of late with gas mileage from his Buick. While Chuck was getting gas recently, the attendant said, "Sir, would you mind shutting off your engine while I'm filling the tank - it uses it up faster than I can pump it in"...W3QQH will send out QSLs for 10-on-10 contacts. The cards were procured by W3YHV...K3DJE has been hunting deer in Sullivan County (That's where ED's deer came from)...W3IGW is now set up to monitor the channel...W3PKY has been giving demonstrations on the air of his new acoustic phone patch. If you are confused by hybrid transformers, impedance, dbm, line balance and all that jazz, this patch is for you. George uses a two inch speaker mounted in a shallow box with the telephone handset. No connections to phone line; total cost is three bux; excellent reproduction...W3QQH has been getting a lot of advice on the mg set he is building...W3WNC has joined WPRA. This club has been going great guns: sent out promotional calendars, buying commercial gear for

FINAL ON BANQUET

Last month we ran a report covering events at our 1959 Banquet, but were reluctant to hand out credits because our incomplete information might have caused a possible omission or error in the long list of who-did-what. Since then, the Banquet Committee Chairman, W3BBB, has given us the following scoop: Ladies prizes were bought by Sue and Elaine, XYLs of YJM and QQH. Of the small favors at each place, NIP supplied the plastic calendars from A-B; Marie, XYL of IVD contributed the Sight-Savers glasses cleaners; YJM came thru with last years supply of ESSO lighter fluid; FMRC provided the ladies' plastic rain hats. Letters to manufacturers soliciting prizes were handled by VVS, QQH, YJM, RCE, CSS, KGX and GOW. W3NIP lettered all the name cards. Hope that covers the whole deal without omitting anyone.

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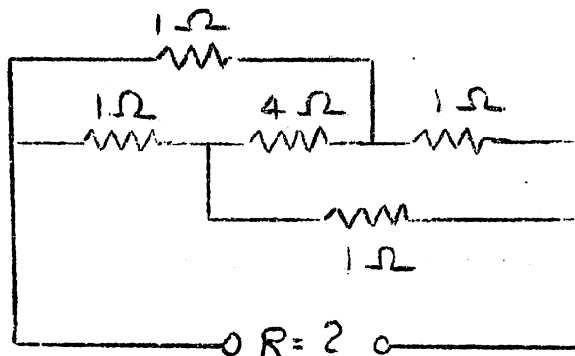
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CD ITEM

The Montgomery County RACES six and two meter nets meet on the first and third Thursday of the month, and the first Dec. net was honored by the presence of that noted refugee from Delaware County, WJYJM, who was graciously substituting for the Zone 2 Radio Officer at the Whitpain Township station at the fire house near the intersection of #73 and 202. When our observer arrived, it was noted that Charlie's situation was somewhat similar to the way we found him at the golf matches last spring, i.e. comfortably ensconced at a table with his back to a dart board on the wall behind him, and with one of those table-top miniature bowling or shuffle alleys also located nearby. However, no sign was present this time that he had been imbibing any beverages. Charlie seemed to find the two meter Gonset Communicator, and the six meter FM transmitter-receiver somewhat foreign to his usual ken, but he displayed his usual masterful net control proclivities (ED note: We try to keep this paper clean, but sometimes one sneaks past us.) with a very limited number of contacts. He and our observer were both disappointed that Zone 3 wasn't on, as we would have liked a word with UZF.

de W3UMK

It was suggested by W3AWH a while back that the Blurb run a puzzle every month in the manner of some other club papers and QST. The wheels are finally in motion with the teaser which is old, but which should be a good warm-up for any that the new ED might run in the future. The answer is on the last page.



Having worked until midnight the Sunday before the December meeting, it didn't take much provocation from the snowstorm on meeting night to convince ED that there's no place like the QTH. However, WBFY is a hardier soul, and besides

going to the meeting, Hal very kindly accumulated the dope in the column below:

W3ADF was at the meeting - a real visitor...W3VVS is working on a mobile modulator...W3WAC is going on 50 mc television (ED Note:?)...W3IRS has modified a BC-614 for remote control. He also has a phone patch that will work with any xmtr. Frenchy doesn't have a tube in the shack - operates from the workshop...W3KCK just got a new HQ-145. Now working on a 2 meter transceiver...W3CDY is trying to get on the air mobile...W3DOU is again trying his hand at rig construction with a 6146 mobile xmtr...K3JRH is planning a 220 volt installation for his Johnson Thunderbolt...W3GIF is getting ready to build a ten meter ground plane. Al has already been scooped in that department by W3DHJ who has raised his new ground plane - made of stainless steel, yet...W3PNG's new triband signal squirter is serving its owner well in conjunction with a 400 watt Globe King...This must be the month for new antennas; W3DJW has just raised three elements on ten meters, four elements on six, and six on two meters...John J. Sr. is awaiting a Citizens Band license...Again, many thanks from ED to Hal.

TEK-NI-GRAMS.....NEEDED

So far, the scheme of having a different man contribute a technical page each month has worked pretty well, to the benefit of all. However, Tex says that the well is starting to run dry, and requests new tech data and ideas. The Tek-Ni-Gram is the most popular feature of the paper, as evidenced by the large percentage of members who tear off this page for safe keeping and future reference. You have probably been helped at some time by an idea you saw there; here is an opportunity for you to do the same for someone else. Pick up a hecto master from W3DOU and write down your technical tip for a subsequent issue.

THE GUY TO WATCH

You watch the guy who drives ahead
and the guy who drives behind.
You watch to the right,
you watch to the left,
You drive with a calm, clear, mind.
But the guy you really have to
watch (on the highway)
you will find
Is the guy behind the guy ahead
and ahead of the guy behind?

This bit of sage advice appeared in the November issue of the Keystone Motorist published by the Keystone Automobile Club.

BALLOONATICS FLY AGAIN

W3UMK is angling with the Balloon Club for another flight from Filmont's Favorite Famous Fearless Flyer, W3 JIL. Talk at mid-month had a light plane coasting around the balloon to aid in location of the landing spot and otherwise facilitate tracking. It will be scheduled for early Spring to minimize conflict with other club events - this should be a real good one.

W3UMK sends the following report of the recent Ed Harvey/WCAU ascension:

W3QQH brought the Comm. Truck over to Valley Forge Airport in time to see Ed Harvey off on his highly touted two hour flight. W3JIL and W3UMK were there as observers. ... Two hours and twenty minutes later, WCAU radio reported the balloon had landed on schedule about ten miles north east of Easton, near Hope, New Jersey. During the course of the chase, reports were heard on WCAU radio stemming from members of the North Penn and Mt. Airy VHF radio clubs. I don't know how far Jim went, but I gave up when I reached Quakertown, since the balloon was reported eight miles south of Easton.

The Comm. Truck is going to get two new tires and new door locks, with leg work being done by you know who...Gil Crossley, W3YA was re-elected ARRL Atlantic Division Director. Vice-Director is now W3ECP who is a member of Washington MRC, and is quite active in ham affairs... The members of the club wish to express their sympathy to W3WNC on the passing of his father...W3QV has been making valiant attempts to work ED while later is on his way home at night, but it has been N.G. so far. Brushes on generator were replaced in great haste, and armature noise filter was not re-installed. Result: another lesson learned.

Delaware Valley Council of Radio Clubs Constitution

- (1) The name of this organization shall be "The Council of Amateur Radio Clubs of Delaware Valley".
- (2) The object of this Council shall be: (a) to promote the welfare of all amateur radio clubs and amateur radio operators.
- (3) Any organized and duly constituted amateur radio club in the Delaware Valley area shall be eligible for membership in the Council.
- (4) One delegate and one alternate delegate shall be selected by the member clubs and each affiliated club shall notify the Council secretary in writing of the name and address and telephone number and call of the duly authorized delegates.
- (5) One (1) vote per club shall be allowed on any matter brought before the Council.
- (6) There shall be a meeting of the council at least four (4) times a year, at approximately three month intervals at such time and place as the delegates at a regular meeting (stated meeting) shall decide.
- (7) Officers of the Council shall be
Chairman--Vice Chairman--Recording Secretary--Corresponding Secretary--Treasurer
- (8) No two officers shall be filled by delegates from the same club.
- (9) An officers term of office shall be one (1) year, with right of reelection to the same or another office.
- (10) Officers shall be nominated and elected at a stated meeting prior to September of each year and shall take office beginning 1 Sept.
- (11) Special meetings at the request of a member club, may be called upon the consent of any two of the council officers.
- (12) Roberts Rules of Order shall determine the parliamentary procedures at any meeting.
- (13) A quorum of the council shall be a simple majority of delegates eligible to vote of which four (4) shall be non-officers.
- (14) This constitution may be amended by a two-thirds (2/3) vote of the delegates present ~~at any meeting at which a quorum is present, provided that the proposed amendment has been forwarded in writing to each club at least thirty calendar days before the meeting at which the amendment is to be voted upon.~~

The above constitution was ratified and adopted by representatives of about ten clubs on Thursday night, December 10th. Among the clubs represented were South Jersey, West Phila., Short-Skip, Bucks County, Phila. chapter of QCWA, Phil-Mont, Delco, Mt. Airy VHF, etc. The floor was then opened to nominations for the Council officers. However additional nominations will be permitted at the next meeting of the Council, which will be held at Germantown Town Hall on Thurs. Jan. 14th 1960. Ken Harrison, W3CPT, then read a proposed set of by-laws; it was provided that dues could not exceed five dollars a year per club (maximum). (The by-laws made no mention of special assessments).

George Ryan and Dick Harris said that steps were under way already to make "K3UW" an annual affair.-----Joe Welch, W3UQV, spoke on the work of the TVI committees; he stated that many clubs were not represented in this work; he hoped more committees would be organized, specify an area in which they would like to work, nominate a delegate, and write the FCC giving that information. He added that non-club ~~man~~ group or individual participation would also be welcome, and that he would be glad to talk to any group or club about this work. ---Woody, W3PST nominated Lloyd W3CDY for Recording Secretary.

CLUB QSL CARDS

W3PKY has been beating the drum for a new printing of PMRC QSL cards. It has been a long time since the last batch were printed, and the subject has come up several times since, but this time it looks as though some action will be taken. To start things off, W3NIP is going to contact W3JGB in exploring the possibility of buying the Gumbaudi cut from the printer, or having the former printer run off a new order of cards. If you have been hankering for some club cards, get your order in fast to W3PKY.

PHILMONT - TEK-M-GRAM

JANUARY 1960 - BY W3KNC

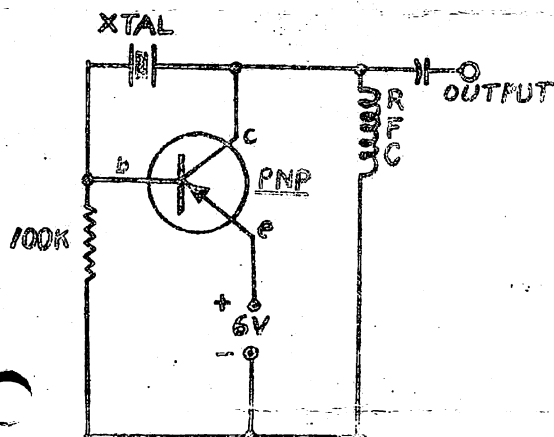
P.1

TRANSISTORIZED OSCILLATORS

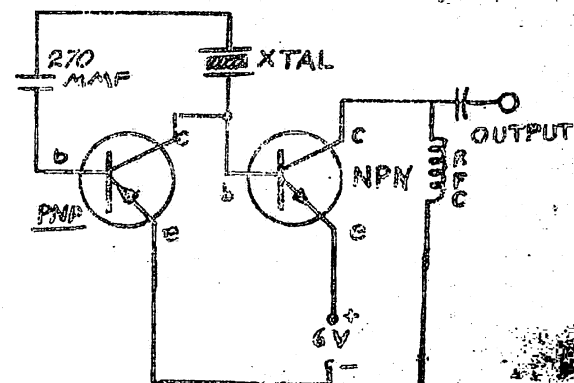
The material presented below is not new; it is a compilation of information from several sources. Some of the circuits resemble vacuum tube circuits. Other circuits differ considerably due to the impedance differences between vacuum tubes and transistors. The first circuits shown are crystal controlled; those of the second group are self controlled.

CRYSTAL-CONTROLLED OSCILLATOR CIRCUITS

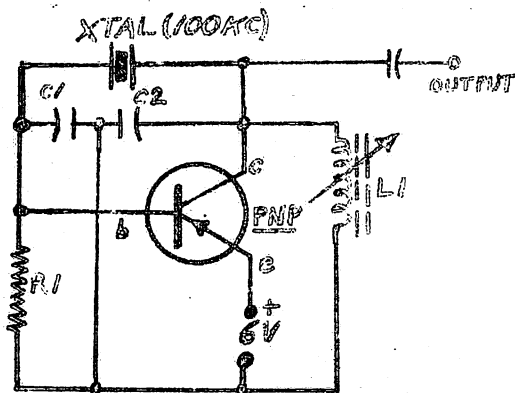
(A) BASIC CIRCUIT (Pierce)



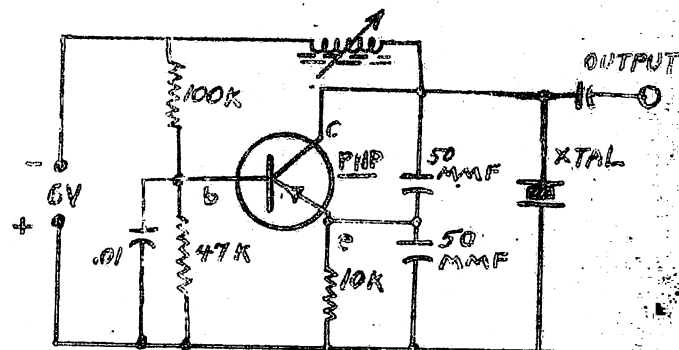
(B) COMPLEMENTARY SYMMETRY



(C) MODIFIED COMMON EMITTER



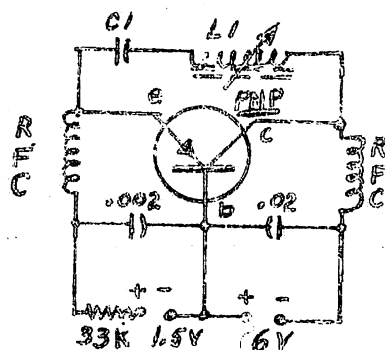
(D) COMMON BASE CIRCUIT



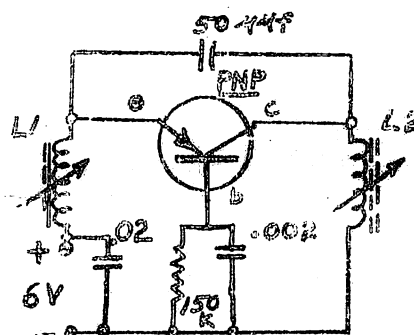
C1 - .002MF C2 - 500MMF C3 - .25MF
L1 - 10MH R1 - 220K Ohms

SELF-CONTROLLED OSCILLATOR CIRCUITS

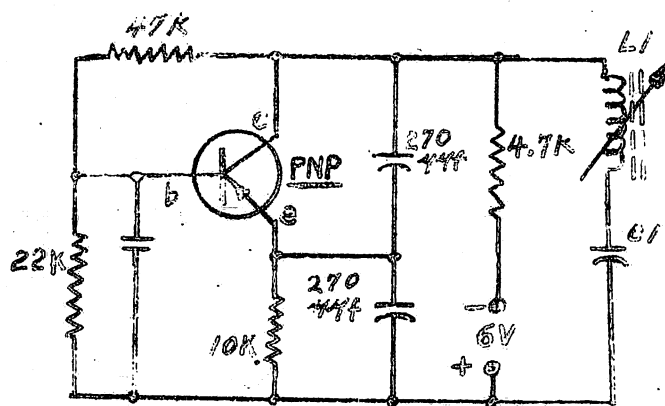
(A) COMMON BASE
(Tuned Feedback)



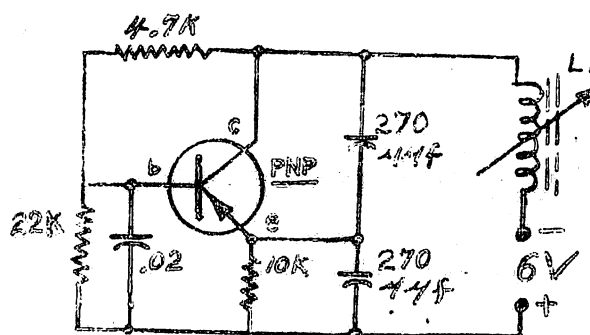
(B) COMMON BASE
(Capacitive Feedback)



(C) SHUNT FED CLAPP



(D) SERIES FED CLAPP



Note: C1 and L1 are selected for tuning to desired frequency.
Transistor must be rated for frequency of operation.

W3QQH has overhauled a Navy RAS-5 (ERO) contributed by W4LSC. Jim uses the receiver to fill in the gaps between the NC-300 bands...W3VCE is planning a trip to Alaska to be made in a VW next summer... Pictures of the Almo exhibit from last month's Blurb were sent to the ARRL on the chance that they might want a short follow-up item on the balloon article in QST... W3PST was trying to find out at mid-month how it was that the last issue of the Blurb carried a notice of his new QTH inside, but was still addressed to his old QTH on the outside. Imagine somebody associated with CD asking a question like that...W3NIP has a B&W 5100 and sideband adapter for his main rig...W3ZPP and K3DJE brought around the ceramic coffee mugs at the December MM. The appearance of these 11'1 dandies far exceeded expectations, and the boys are to be commended for all their effort in making the deal in the first place and then following thru on the ordering...K3UN QSLs have been mailed for some contacts. SJRA will take care of sending them out for QSOs on 10, 6 and 2...On Blurb news sheet passed around at last MM, some unidentified (?) individual wrote 'Sorry to see you go Sam. Best of luck and all happiness in the world in your future projects'... (Tnx, OM - ED)... W3DIZ was home for the Army-Navy game, and had many visitors at the WNC QTH before he had to leave. In the late rush, Lee had seven minutes to find his way to one bus in the hundred that were ready to go...W3QQH is constructing emergency gear he has been considering since the 1955 floods. It's a completely portable 6 and 10 meter station that will operate from batteries or a-c power. Size is 10 x 17 x 19...Pixie dropped into ED's lab at RCA 'tother day to see just what it was that has been cutting into PMRC time...W3AWH is sporting a new NC-303...And you'll never believe it, so is W3DQG!!!

New Membership Applications

Tom W3BPH is well known from being on the band for years. He holds a responsible position in Engineering management with Philco. This speaks well for Tom in the field of electronics as well as his years in amateur radio. He is active on 75, 40 and 20 with 1000 watts. He participates in Upper Merion Civil Defense activity and has 2 kw of emergency standby power.

Ed W3EQV has expressed his desires with a membership application. He is active on

10 and 15 mobile with 20 watts and on 80 and 40 at his QTH. He works for the Signal Corps Supply and finds himself on the highways frequently giving him the opportunity to work mobile. On weekends or vacations, Ed, his XYL and the twin boys, aged 14½ years, had for Mays Landing for outdoor life and boating. Ed also takes an active part in civic matters in Lansdowne, his QTH.

Answer to puzzle: R equals 1 ohm.

If you squint your eyes, you'll see that the circuit is a bridge. Equal currents flow thru each of the one ohm resistors and none flows thru the four ohm resistor, so it doesn't make any difference what latter's resistance is! The circuit therefore becomes two parallel branches of two ohms each.

SWAP and SHOP

For Sale: 10 meter walkie-talkie
Presently in use in Comm
Truck Price -\$20. W3QQH

Williamson Audio Amplifier
10 watts clean output
P-P 807 Triode Conn. Output
Separate 425 volt power supply
Terminal Board Construction
Price -\$25. W3QZ0

Burroughs Adding machine
full keyboard, old but useful
\$15.

HT-18 Hallicrafter VFO all
band \$50.

Gonset Mobile VFO \$10. W3QQH

Gonset G-77 mobile trans-
mitter, complete
3-30 Converter
Mike
Antenna & cable
Price -\$225. Elgin 6-3922
W3FVW

Wanted: 3 A Variac...Power xformer
500 V each side C.T. 200 M.A.
small size...Collins 310
excitr or PTO

W3QQH

This is the last issue of the Blurb to come under the misguided hand of the present editor. As explained last month, a new assignment at RCA leaves insufficient time to do proper justice to the paper. W3ZPP has offered (after concentrated PMRC brow beating procedures) to edit the Blurb, and I know from past association with Charlie that he will turn out the best rag this club has ever seen. Needless to say you can help him considerably by letting him know what you are doing that is new and unusual.

This is the last opportunity I will have to thank in print all those who have helped me throughout the year, such as W3UMK with his consistent reports on CD and ballooning, K3JQC, Anne Hecht for her advice on layout, W3CDY for his write-ups on new members, W3YHV for his endeavors with cover photographs and art work, and W3DOU who sees that the Tek-Ni-Gram is ready every month without fail. Hy and the fellows who assist in folding and mailing should not be overlooked either.

Contrasted to the problems of the World, writing the Blurb is a small job. But to me, in the circle of friends called Phil-Mont, it has been a big job, and one that I have enjoyed tremendously. This isn't the end of me in club activities, I'll never let my job get that important!

BCNU

W3QZO

"THE BLURB"

A Phil-Mont Mobile Radio
Club Publication
2242 Cambridge Road, Broomall, Pa.
January 1960

RETURN POSTAGE GUARANTEEDTIME VALUEMEETING NOTICE

C. R. Spencer W3QZH
124 Central Ave.
North Hills Pa. R